SOFTWARE—PRACTICE AND EXPERIENCE, VOL. 12, 1169–1170 (1982)

Author Index

Addyman, A. M., 959
Akin, T. A., 1027
Alty, J. L., 857
Andrews, G. R., 475, 719
Artym R., 323
Atkinson, L. V., 571

Baxter, A. Q., 185
Beech, D., 929
Bell, D. H., 405
Bersohn, M., 96
Bonham, M., 1119
Brereton, O. P., 95
Brookes, G. R., 959
Brown, P. J., 91
Brownbridge, D. R., 1147

Cargill, T. A., 965
Casey, B. E., 557
Celko, J., 889
Cole, A. J., 341
Collinson, R. P. A., 583
Comer, D., 669, 907, 1069
Cook, R. P., 195
Coombs, M. J., 857
Covington, W. O., Jr., 505
Cowderoy, R. I., 235

Dasarathy, B., 557
Davies, D. J. M., 709
Dawson, A. F., 857
Dellar, C. N. R., 1051
Dodd, W. P., 115
Dodds, R. H., Jr., 1085
Dunman, B. R., 85

Elliott, B., 331, 375
Elmquist, H., 169

Ferstl, O. K., 455
Fiddian, N. J., 1101
Fischer, C. N., 825
Fisher, A. J., 623
Fleck, A. C., 627
Fraser, C. W., 241, 351, 367
Frost, R. A., 163

Gait, J., 393, 981
Gangopadhyay, D., 141
Gannon, J. D., 971
Gehani, N., 433
Gerritse, J. J., 1163
Glass, R. L., 77
Gomaa, H., 309, 599
Griswold, R. E., 251

Hać, A., 777
Hall, J. A., 755
Hall, N. F., 843
Hanson, D. R., 351, 367
Hardy, I. T., Jr., 67
Hart, J. M., 185
Heffler, M. J., 269
Hennessy, J., 169, 879
Hibbard, P. G., 543
Hinxman, A. I., 205
Holmström, S., 1082
Hughes, R. J. M., 1081
Hunter, J. A., 843

Jalics, P. J., 103

Kaiser, P., 693
Kernighan, B. W., 1
Kerridge, J. M., 45
Kruijer, H. S. M., 445

Lang, T., 397, 531
Leathrum, J. F., 497
Leblanc, R. J., 825, 1027
Lecarme, O., 785
Lee, I., 195
Leverett, B. W., 543
Levine, J., 1133
Levison, M., 611
Lopez, L. A., 1085
Lui, J., 309

McGregor, D. R., 1165
McGregor, J. J., 23
McKenzie, B., 595
Maclean, M., 595
McMullin, P. R., 971
Mariani, J. A., 1165
Marshall, L. F., 1147
Maude, T., 493
Mendelsohn, N., 879
Mezzalama, M., 985
Morrison, R., 341, 767

Newbury, J. P., 531, 897

Ottmann, J. S., 835

Palme, J., 153
Pellissier, M., 785
Peterson, M. M., 163
Prinetto, P., 985

Radford, P., 293
Rakity, P., 293
Randell, B., 1147
Ravn, A. P., 211
Rees, D. J., 655
Rehak, D. R., 1085

Schach, S. R., 85, 683
Sewell, B. T., 885
Shen, V. Y., 669
Sinz, E. J., 455
Sleep, M. R., 1082
Smit, G. de V., 57
Smith, A., 405
Sommerville, I., 517
Staunstrup, J., 223
Stephens, P. D., 655
Štetina, I., 693
Strong, E., 1119
Stroustrup, B., 1011

Tai, K-C., 35
Takaoka, T., 595
Tate, A., 205
Tennent, R. D., 385
Tharp, A. L., 35
Thomas, M.-C., 785
Tsin, Y. H., 283

Van Tilborg, A. M., 915

Wallis, P. J. L., 235
Watkins, D. E. P., 531
Weiser, M. D., 971
Wexelblat, R. L., 505
Wilkes, J., 641
Williams, M. H., 487
Williamson, K., 907
Wilson, I. R., 959
Witsel, W. M., 297
Witten, I. H., 1119
Wolberg, J. R., 1043
Woo, P., 309
Wood, P. T., 85

Yip, C. K., 411

SOFTWARE—PRACTICE AND EXPERIENCE, VOL. 12, 1171–1173 (1982)

Key Word Index

Abstract data type, 627, 971
Abstract machine(s), 367, 411
Abstract types, 455
Ada, 623
Ada tasking, 965
Advisory services, 857
Algol, 341, 767
Algol 68, 623
Algol 68 implementation, 543
Application program, 693
Arrays, 475
Automatic drawing, 397
Automatic synthesis, 985

Backtrack search, 23
Balanced trees, 163
Banker's algorithm, 385
Basic, 331
BCPL, 235, 623
Benchmark, 531
Bibliographic search, 709
Binary search, 669
Binary streams, 163
Block, 385
Block structure, 385
Boolean matrices, 115

Calibration, 599
Cambridge Ring, 95, 583
Case statement(s), 571, 879
Checkout, 77
Chief programmer team organization, 683
Class, 153
COBOL, 455
Code generation, 351, 571, 1027
Code optimization, 571
Command interpreter, 981
Command language(s), 67, 241, 929
Command programs, 641
Communication, 857
Communication primitives, 223
Compilation, 959
Compiler(s), 91, 235, 283, 411, 785, 971, 1027, 1085
Compiler design, 169, 879
Compiler development tools, 1027
Composite design, 683
Compiler implementation, 825
Comprehension difficulties, 857
Computation, 1085
Computer, 153
Computer networks, 599
Computer-produced diagrams, 397
Computer programming, 153
Concurrency, 323, 965
Concurrent Pascal, 45, 85, 211, 445
Concurrent programming languages, 719
Concurrent programs, 211
Constructional rules, 455
Context sensitive, 517
Contextual analysis, 195
Control structures, 455
Conversions, 1043
CORAL66, 411
Co-routine(s), 153, 1163
Cost of conversions, 1043
Cross-assembly, 1101
CRT, 375, 1133
Crystallographic computing, 885

DASD sharing, 835
Data abstractions, 907
Database, 205
Data manipulation language, 205
Data types, 475, 719
Deadlock, 965
Debug test, 77
Debuggers, 331
Design methodology, 889
Diagrams, 1
Dialogue generator, 693
Dialogue program, 693
Dining philosophers, 965
Disk sharing, 835
Display editor, 843
Display file compiler, 915
Distributed computing, 965
Distributed programming, 719
Distributed systems, 719
Documentation, 455, 1165
Document preparation languages, 1119
Draughting, 397
Duality, 1011
Dynamic arrays, 169
Dynamic hashing, 163
Dynamic resource allocation, 211
Dynamic storage allocation, 543

Editors, 1133
Encoding, 411
Efficient communication, 1051
End user, 693
English dictionary, 669
Error diagnostics, 825
Error message, 91
Error search, 505
Event-driven procedures, 141

Figures, 1
File identification, 1165
File protection, 445
File server, 1051
File systems, 251
Filing systems, 641
Flat file, 1069
Formal specifications, 433
Fortran, 331, 1085

Garbage-collection, 1081
Graphic interaction, 141
Graphics, 1, 767, 915, 1133
Graphics system, 141

Hashing, 35, 669, 981
Help facilities, 269
History, 595
Human factors, 269
Humanities, 611

Inexpert users, 857
Informal specifications, 433
Information content, 1165
Information retrieval, 709
Input methodology, 141
Instruction sets, 367
Interactive, 531
Interactive diagnosis, 323
Interactive system(s), 67, 1133

Interactive systems modelling, 557
Interactive systems testing, 557
Interface specification, 497
Interpreter(s), 45, 323, 411, 755, 785, 1085
Interval arithmetic, 341
I/O design, 283
I/O redirection, 241

Kernel, 45

Languages, 785
Language tools, 297
Lazy evaluator, 1082
Linkers, 351
Lisp, 1081
Loaders, 351
Local area network, 583, 843, 1051
Locking, 835
Lock management, 835
Lookup table, 885

Macro-language, 611
Macro-processors, 785
Macros, 1119
Mainframe, 85
Management techniques, 683
Man–machine interface, 693
Man–machine interface modelling, 557
Matrix representation, 115
Maximal common subgraph, 23
Memory management, 185
Menus, 269
Message passing, 211, 223
Meta-assembly, 1101
Microcode, 755
Microcode compilation, 985
Microcomputer, 235, 405, 1051
Microprogrammed, 755
Microprogramming, 297, 985
Micros, 767
Modularity, 185, 929
Modularization, 497
Module(s), 385, 907
Monitors, 223, 1011
MTS, 843
Multi-access, 655
Multiprocessing, 323
Multiprogramming, 223
Multiprogramming nucleus, 405

Nested IFs, 96
Network, 95
Nroff, 1119

Object code, 351
On-line systems, 889
Open addressing, 981
Operating system, 85, 405, 655, 981

Packet communication, 915
Page replacement algorithms, 185
Paging, 185
Parallel processing, 153
Parametric types, 169
Parsing, 205
Pascal, 91, 169, 195, 283, 475, 571, 755, 825, 879, 959, 1163
Pascal preprocessors, 907
Pattern matching, 35, 57, 517, 709
P-CODE, 755
PDP-11, 235
Performance, 95
Performance measurement, 599
Periodic functions, 885
Petri nets, 889
Pipes, 241
PL/I, 331
Pointer variables, 211
POP-2, 709
Portability, 85, 235, 251, 297, 351, 367, 411, 785
Postprocessor, 455
Primitive, 1069
Procedure, 385
Process, 153, 1011
Process control, 981
Process synchronization, 719
Professional status, 857
Program structures, 455, 959
Program testing, 971
Programmer support environment, 1165
Programming environments, 641
Programming language(s), 153, 251, 595, 777, 929
Protocols, 1051

Queues, 897
Quicksort, 385

Real-time, 77, 1081
Real-time systems, 981
Real-time systems modelling, 557
Reduction rules, 1082
Relative operation time, 115
Remote else, 96
Requirements specification, 557
Requirements validation, 557
Robustness, 965
Run-time checking, 825
Run-time systems, 543

S-algol, 517
Scenario, 693
Scheduling, 897, 1011
Scheduling policies, 655
Scientific, 1085
Screen editors, 375
Scripts, 241
Search tree, 23
Searching, 57, 669
Self-assembly, 1101
Semi-incremental, 1081
Separate compilation, 283
Sequential Pascal, 45
Shared files, 835
SIMULA programming language, 153
Simulation, 599, 777, 1011
Simulator, 777
SNOBOL4, 627
Software, 1043
Software assessment, 115
Software design, 497
Software engineering, 683
Software installation, 251
Software interrupts, 1119
Software parts, 1069
SOLO, 45
Source code control, 1165
Sparse matrices, 115
Specifications, 971
Spelling, 669
STAB, 323
Stacks, 367
Static analysis, 195, 959
Statistical analysis, 487
Storage utilization, 115
String matching, 57
String processing, 475
Strings, 367
String searching, 35, 709
Structured programming, 96, 455, 641, 683
Sublanguage, 929
Sum check, 1165
Survey analysis, 487

Synchronization, 223, 323, 777
Syntax, 67
System modelling, 777

Terminals, 1133
Test data, 505
Test design, 505
Text editing, 241, 611, 709
Text processing, 241, 375, 611, 1119
Text signatures, 35
Time complexity, 57
Time-sharing, 1133
Top-down development, 683
Transaction processing, 445
Transportability, 185
Triple arithmetic, 341
TROFF, 1
Type checking, 475
Type declaration, 595
Type structure, 169
Typesetting, 1

University computer users, 857
UNIX, 1, 583, 843
User-defined operators, 623
User interface, 269, 929

Verification, 627
Video terminals, 375
Virtual, 1085
Virtual memory, 185

Word processing, 611

Z80, 235